AGING2.0 UPDATE
Stanford Challenge Kickoff
SEPTEMBER 23, 2014

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Aging2.0 is a global innovation platform with a mission to connect, educate and support innovators in aging and long-term care.
WHY ARE WE DOING THIS?
MOBILITY CHALLENGES FOR OLDER ADULTS

• **Personal mobility**
  – Exercise is an important part of health & wellness goals, but most older adults don’t get enough
  – Muscle mass correlates to longevity ([UCLA, 2014](#)) – challenges around rehabilitation and home physiotherapy
  – Only 11% of wearable fitness devices sold to 50+

• **Around the home and in the community**
  – 90% of people want to ‘age in place’ (AARP)
  – 2/3 of older adults in USA don’t have access to public transport
  – Isolation and loneliness increases risk of death by 40% (UCSF)
“Chairs are too low. Toilets are too low, in home. Rugs made without non slip backing”

“Teach older adults to train like athletes. Teach dynamic warm ups, dynamic mobility, and basic strength movements. (Squats, Lunges, Over Head Presses) Teach a person how to squat and you teach them how to move.”

“A facility I went to recently is lovely but all entrances up are up slopes, some steep. Other facilities I go to have a car parking service, so better design or a car parking service”

“Go meet at least 5 older people with a variety of problems and listen”

“Tennis shoes stick to carpet and can be a hazard

“I was diagnosed in 2009 with diabetes type 2, at which time I lost my left great toe.... I continued to loose toes. I have lost three and I am officially done loosing any more body parts. I use myself as an example only to highlight the need for more friendly bathroom alternatives. Since loosing three toes, balance issues have sprung up (and are now resolved) but also the need for a tub is no longer a need I have nor want. Yet the re-configuration of bathrooms can be quite expensive...”
INNOVATIONS IN THE MARKET
STYLISH CANES

Sabi

AGING 2.0
EXOSKELETONS AND SUPPORT SYSTEMS
LICENSED WELLNESS PROGRAMS

OOMPH!
INTERGENERATIONAL OUTREACH AS FITNESS

RUN WITH US: RUN AND DO GOOD

1. SIGN UP
2. RUN
3. DO GOOD
4. GET FIT
SOCIAL JOURNEYS, TRANSPORT ROUTING, SMART CITIES

Clockwise from top: Lyft Line, Age Friendly Cities, Google Maps
GAIT ANALYSIS, GOLF SWINGS, REHAB

Clockwise from top: Walkjoy, V1 Golf App, Microsoft Kinect app
SUPER-POWERED WHEELCHAIRS, MULTI-MODAL TRANSPORT

Firefly™ - Go Twice as Fast!
The Firefly is an electric handcycle that snaps on to your wheelchair. Go twice as fast and far as a power wheelchair!

Clockwise from top: Firefly, Agile Life Personal Transportation System, Kenguru
A 3D PRINTED CAR
A GLOBAL PROCESS
CHALLENGE TIMELINE

- **Early Communications**: Summer 2014
- **Kickoff**
  - **Sept 23rd**: Fall 2014
- **Phase I Design**: Winter 2015
- **Phase I Designs Due**
  - **Dec 5**: Winter 2015
- **Mentoring**: Spring 2015
- **Finalists Announced**
- **Finals**
  - **April 9th**: Spring 2015
SPREADING THE WORD AROUND THE WORLD

- Chapters in formation
- Active Chapters
THANK YOU